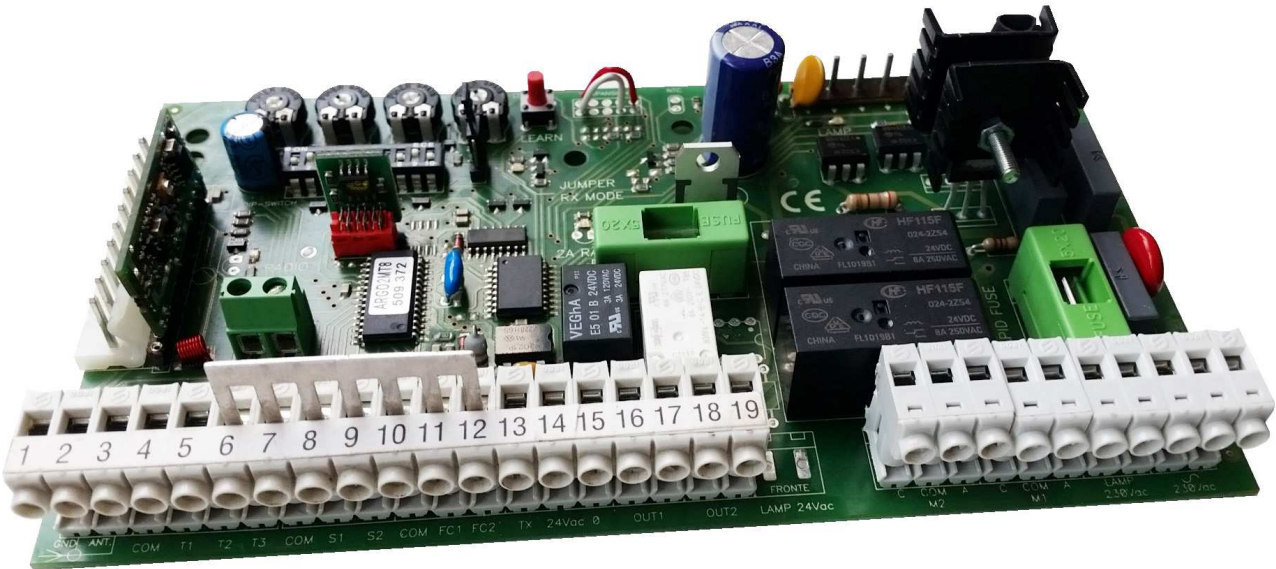


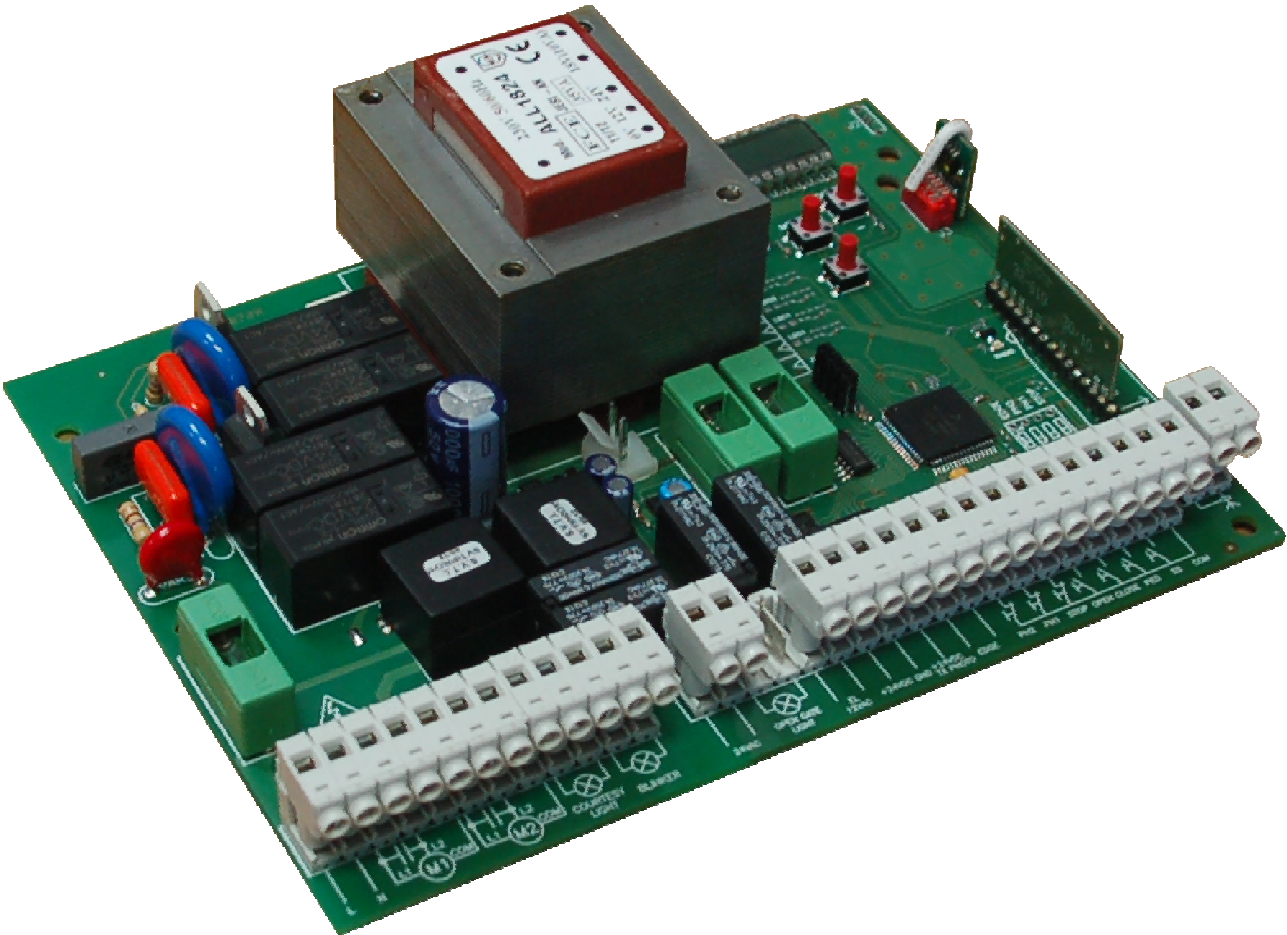
ARGO2 - BIOS2 compatibility



ARGO2 control board

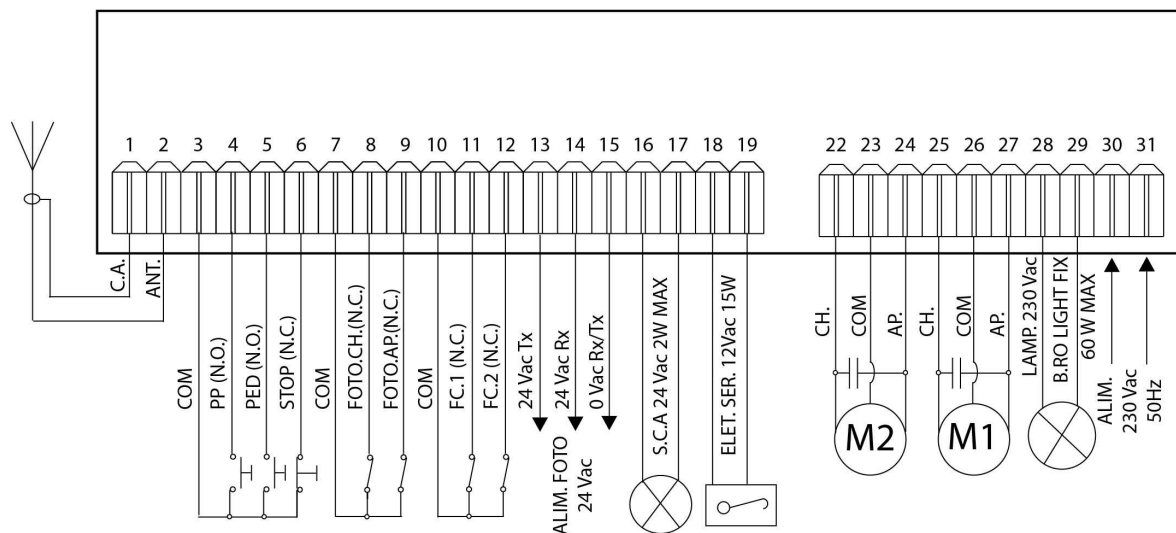


BIOS2 control board

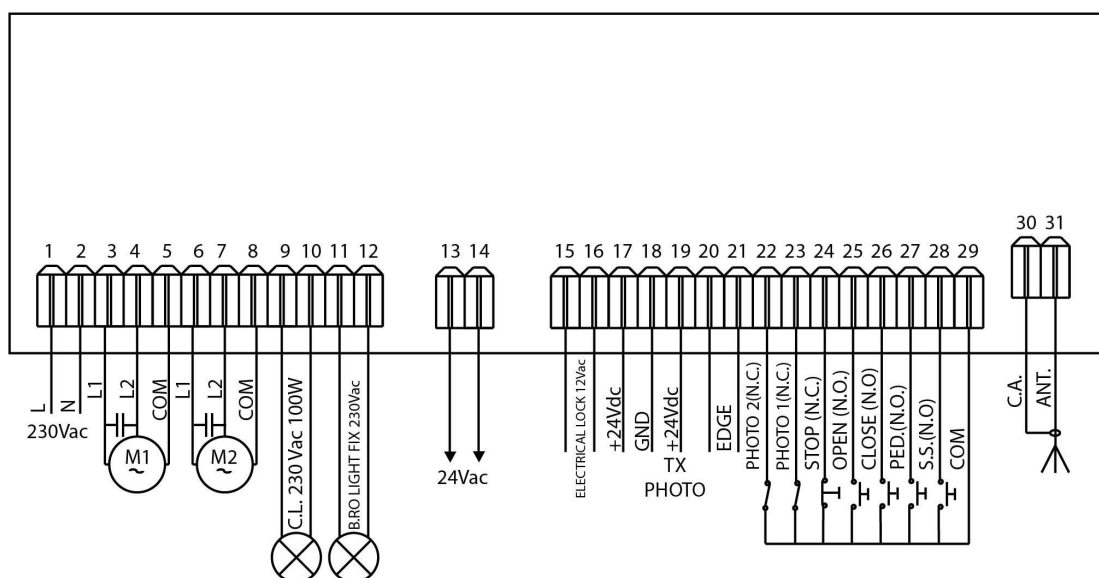


Terminal board diagrams

ARGO2



BIOS2



ARGO2

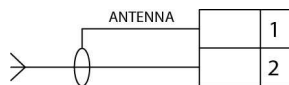
C.A.	Calza antenna	Antenna braiding
ANT.	Antenna	Antenna
COM	Comune	Common
PP (N.O.)	Pulsante Passo Passo	Step by Step button
PED (N.O.)	Pulsante Pedonale	Pedestrian button
STOP (N.C.)	Pulsante Stop	Stop button
FOTO.CH (N.C.)	Contatto fotocellula chiusura	Closing photocell contact
FOTO.AP (N.C.)	Contatto fotocellula apertura	Opening photocell contact
FC.1 (N.C.)	Finecorsa 1	Limit switch 1
FC.2 (N.C.)	Finecorsa 2	Limit switch 2
ALIM.FOTO	Alimentazione fotocellule	Photocells power supply
S.C.A.	Spia cancello aperto	Indicator of open gate
ELET.SER	Elettroserratura	Electrical lock
CH.	Chiudi	Close
AP.	Apri	Open
LAMP.	Lampeggiante	Flashing light

BIOS2

COM	Comune	Common
CLOSE (N.O.)	Pulsante Chiudi	Close button
OPEN (N.O.)	Pulsante Apri	Open button
S.S. (N.O.)	Pulsante Passo Passo	Step by Step button
STOP (N.C.)	Pulsante Stop	Stop button
PED (N.O.)	Pulsante Pedonale	Pedestrian button
PHOTO1 (N.C.)	Contatto fotocellula 1	Photocells contact 1
PHOTO2 (N.C.)	Contatto fotocellula 1	Photocells contact 2
ELET.LOC.	Elettroserratura	Electrical lock
230Vac	Alimentazione	Power supply
C.L.	Luce di cortesia	Courtesy light
LAMP.	Lampeggiante	Flashing light
EDGE	Costa di sicurezza	Safety edge
24Vac	Alimentazione accessori	Accessories power supply
C.A.	Calza antenna	Antenna braiding
ANT.	Antenna	Antenna

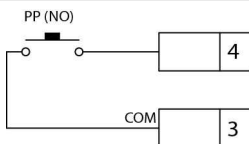
Terminal board compatibility

ARGO2



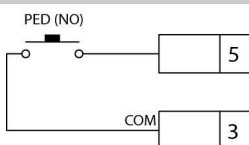
ANTENNA

Disconnect the antenna cable from the **clamp 2** of the ARGO and connect it to the **clamp 31** of the BIOS2.
Disconnect the antenna braiding from the **clamp 1** of the ARGO and connect it to the **clamp 30** of the BIOS2.



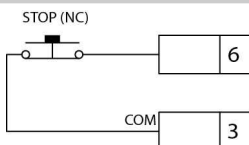
STEP BY STEP INPUT (SS)

Disconnect SS button from **clamps 3 and 4** of the ARGO and connect it to **clamps 28 and 29** of the BIOS2.



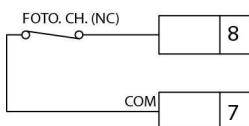
PEDESTRIAN INPUT (PED)

Disconnect PED button from **clamps 3 and 5** of the ARGO and connect it to **clamps 27 and 29** of the BIOS2.



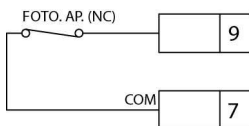
STOP INPUT

Disconnect the **NORMALLY CLOSED** contact of the STOP from **clamps 3 and 6** of the ARGO and connect it to **clamps 24 and 29** of the BIOS2.



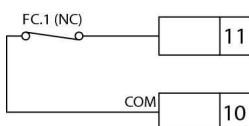
CLOSING PHOTOCELL INPUT

Disconnect the **NORMALLY CLOSED** contact of the closing photocell from **clamps 7 and 8** of the ARGO and connect it to **clamps 23 and 29** of the BIOS2.



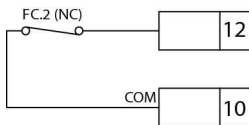
OPENING PHOTOCELL INPUT

Disconnect the **NORMALLY CLOSED** contact of the opening photocell from **clamps 7 and 9** of the ARGO and connect it to **clamps 22 and 29** of the BIOS2.



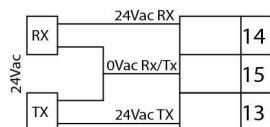
LIMIT SWITCH 1 INPUT

There are no inputs for the limit switch on the BIOS2 control board.



LIMIT SWITCH 2 INPUT

There are no inputs for the limit switch on the BIOS2 control board.



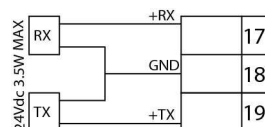
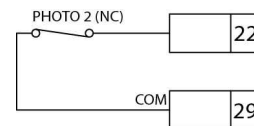
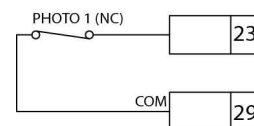
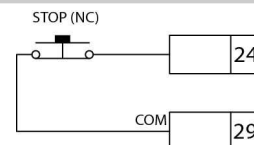
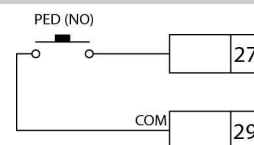
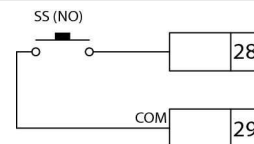
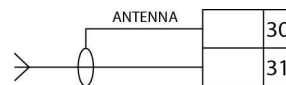
PHOTOCELLS POWER SUPPLY

Disconnect the **clamp 14** of the ARGO control board (connected to **clamp +** for power supply of the photocell receiver) and connect it to the **clamp 17** of the BIOS2.

Disconnect the **clamp 15** of the ARGO control board (connected to **clamp -** for power supply of the photocell receiver and transmitter) and connect it to the **clamp 18** of the BIOS2.

Disconnect the **clamp 13** of the ARGO control board (connected to **clamp +** for power supply of the photocell transmitter) and connect it to the **clamp 19** of the BIOS2.

BIOS2



Different power supply
(24Vac ARGO and 24Vdc BIOS2).
Check the compatibility with the photocells.

ARGO2

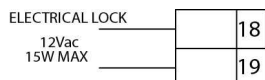


COURTESY LIGHT OUTPUT

Disconnect the cable from **clamps 16 and 17** of the ARG0 and connect it to **clamps 9 and 10** of the BIOS2.

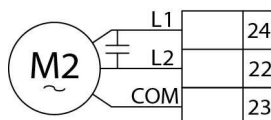


Different light power supply, 24Vac ARG0 and 230Vac BIOS2.
Replace the lamp used with the ARG0 control unit with a lamp
that has the following characteristic: 230Vac 100W max.



ELECTRICAL LOCK OUTPUT

Disconnect the cable from **clamps 18 and 19** of the ARG0 and connect it to **clamps 15 and 16** of the BIOS2.

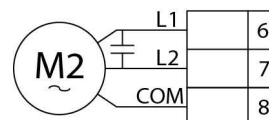


MOTOR 2 OUTPUT

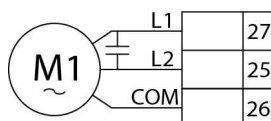
Disconnect the **common** of the motor 2 from the **camp 23** of the ARG0 and connect it to the **clamp 8** of the BIOS2.

Disconnect the **phase 1** of the motor 2 from the **clamp 24** of the ARG0 and connect it to the **clamp 6** of the BIOS2.

Disconnect the **phase 2** of the motor 2 from the **clamp 22** of the ARG0 and connect it to the **clamp 7** of the BIOS2.



Motor condenser 230Vac
!!! Risk of electric shock !!!

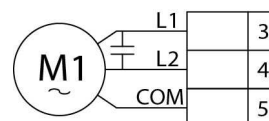


MOTOR 1 OUTPUT

Disconnect the **common** of the motor 1 from the **camp 26** of the ARG0 and connect it to the **clamp 5** of the BIOS2.

Disconnect the **phase 1** of the motor 1 from the **clamp 27** of the ARG0 and connect it to the **clamp 3** of the BIOS2.

Disconnect the **phase 2** of the motor 2 from the **clamp 25** of the ARG0 and connect it to the **clamp 4** of the BIOS2.

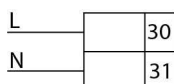
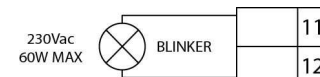


Motor condenser 230Vac
!!! Risk of electric shock !!!



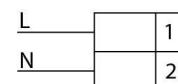
FLASHING LIGHT OUTPUT

Disconnect the cable from **clamps 28 and 29** of the ARG0 and connect it to **clamps 11 and 12** of the BIOS2.



POWER SUPPLY

Disconnect the cable from **clamps 30 and 31** of the ARG0 and connect it to **clamps 1 and 2** of the BIOS2.



ACCESSORIES POWER SUPPLY OUTPUT

No present on the ARG0 control unit.

Accessories power supply 24Vac 9W max.

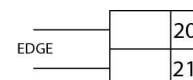
Connect the cable to **clamps 13 and 14** of the BIOS2 control board.



SAFETY EDGE INPUT

No present on the ARG0 control unit.

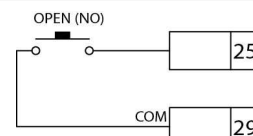
Connect the safety edge contact to **clamps 20 and 21** of the BIOS2 control board.



OPEN INPUT

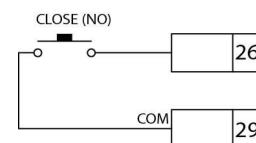
No present on the ARG0 control unit.

Connect the OPEN button (N.O. contact) to **clamps 25 and 29** of the BIOS2 control board.



ARGO2**BIOS2****CLOSE INPUT**

No present on the ARGO control unit.
Connect the CLOSE button (N.O. contact) to **clamps 26 and 29** of the BIOS2 control board.

**Troubleshooting ARGO2**

PROBLEM	CAUSE	SOLUTION
Pressing the Step by Step button, the flashing light signals a fault with a series of flashes.	<ul style="list-style-type: none"> Incorrect cabling of the photocells. Oxidised dip-switch. 	<ul style="list-style-type: none"> Check the functioning of the photocells, in particular the cabling for the photocells test. Change the position of the DIP 6 for a possible oxidation of the contact. Just to be sure, move also the other DIPs and then return to the previous configuration.
The flashing light is always on.	<ul style="list-style-type: none"> The triac for the control of the flashing is broken (in short circuit). 	<ul style="list-style-type: none"> Replace the relative triac.
One or both motors do not carry out the slowing down phase and proceed at running velocity.	<ul style="list-style-type: none"> The triac for the control of the motor is broken (in short circuit). 	<ul style="list-style-type: none"> Replace the triac of the motor that does not work.
One or both wings of the gate do not open or close completely.	<ul style="list-style-type: none"> The gate is heavy or the wing is not in a perfect vertical position (greater effort in one of the two directions). 	<ul style="list-style-type: none"> Follow the indications of the par. 8.4 of the manual (adjustment returned motion).
One or both the wings of the gate are struggling to move during the slowing down phase.	<ul style="list-style-type: none"> The gate is heavy and motors are not appropriate or installed incorrectly. The condenser of the motor is broken. 	<ul style="list-style-type: none"> Disable the slowing down phase following the indications on par. 8.3 of the manual. Replace the condenser of the motor with an equal one.

Troubleshooting BIOS2

PROBLEM	CAUSE	SOLUTION
During a movement, the gate stops and carry out a short inversion of the movement.	<ul style="list-style-type: none"> Incorrect setting of the menu <i>SEI</i> (obstacle sensitivity), respect to the set torque value. 	<ul style="list-style-type: none"> Decrease the set value on the menu <i>SEI</i> and/or increase the torque value on the menu <i>Er9</i>.



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